CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.15/KRIDL/STEEL/2016-17 15.09.2016

TEST REPORT ON REINFORCEMENT STEEL

Customer	:	**Asst. Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
Name of the Work	:	Improvements to roads and drain at Kalahastinagara in Ward No.15 of Dasrahalli Sub Division, BBMP, Bangalore.
Reference	:	BBMP/EE/DD/WO/50/2016-17 Dated: 26.08.2016
Date of Test	:	15.09.2016
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	8	0.40	510	552	13.05	O.K	O.K

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
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Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	10	0.62	513	556	13.25	O.K	O.K

Civil-Tech Consultants & Engineers Bangalore

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T-2377

Job No.: CTCE/BBMP/W.No.15/KRIDL/CSR-09/141d/CUBE/2016-17 17.10.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*Customer : **Asst. Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

*Agency : **Technical Manager (West),** KRIDL, Bangalore.

*Name of the work : Improvements to roads and drain at Kalahastinagara in Ward No.15 of Dasrahalli Sub Division, BBMP, Bangalore.

Reference : BBMP/EE/DD/WO/50/2016-17 Dated: 26.08.2016

*Sample ID : RCC Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sample Received on : 17.10.2016

Sl.No.	*Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.09.2016	17.10.2016	8.185	496.3	22.06
2	19.09.2016	17.10.2016	8.263	503.4	22.37
3	19.09.2016	17.10.2016	8.374	518.7	23.05

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VISHWANATH C.
Quality Manager

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Reference : BBMP/EE/DD/WO/50/2016-17 Dated: 26.08.2016

*Sample ID : RCC Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

*Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sample Received on : 18.10.2016

Sl.No.	*Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.09.2016	18.10.2016	8.257	517.2	22.99
2	20.09.2016	18.10.2016	8.169	504.7	22.43
3	20.09.2016	18.10.2016	8.345	529.6	23.54

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